Increasing Patient Activation to Improve Health and Reduce Costs

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The Need to Do Better with Less

- Patients are an important resource in health care.
 - We won't reach quality goals and improved outcomes without patient engagement

There is great variation in patient activation in any population group

Measurement would allow us to:

To know who needs more support

To target the types of support and information patients and consumers need

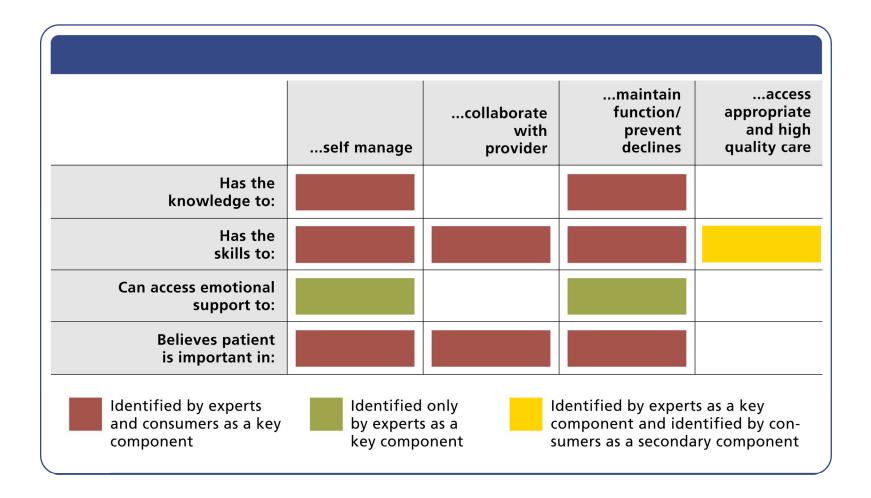
To evaluate efforts to increase activation

To Evaluate quality

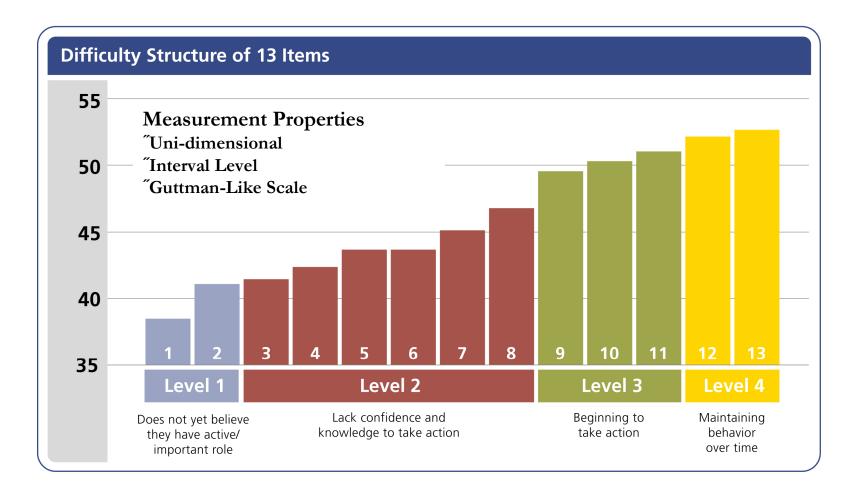
Measurement of Patient Activation

- Share
 - key insights
 - Implications
 - Applications to improve care and outcomes

What Does it Mean to Be Activated?



Patient Activation Measurement (PAM) Difficulty Structure of 13 Items



PAM 13 Question

Level 1	When all is said and done, I am the person who is responsible for taking care of my health
	Taking an active role in my own health care is the most important thing that affects my health
Level 2	I am confident I can help prevent or reduce problems associated with my health
	I know what each of my prescribed medications do
	I am confident that I can tell whether I need to go to the doctor or whether I can take care of a health problem myself.
	I am confident that I can tell a doctor concerns I have even when he or she does not ask.
	I am confident that I can follow through on medical treatments I may need to do at home
	I understand my health problems and what causes them.
	I know what treatments are available for my health problems
Level 3	I have been able to maintain (keep up with) lifestyle changes, like eating right or exercising
	I know how to prevent problems with my health
	I am confident I can figure out solutions when new problems arise with my health.
Level 4	I am confident that I can maintain lifestyle changes, like eating right and exercising, even during times of stress.

^{*} Related instruments: PAM 10, PAM 2, Clinician PAM

Activation is developmental



Level 1

Starting to take a role

Patients do not yet grasp that they must play an active role in their own health. They are disposed to being passive recipients of care.



Level 2

Building knowledge and confidence

Patients lack the basic health-related facts or have not connected these facts into larger understanding of their health or recommended health regiment.



Level 3

Taking action

Patients have the key facts and are beginning to take action but may lack confidence and the skill to support their behaviors.



Level 4

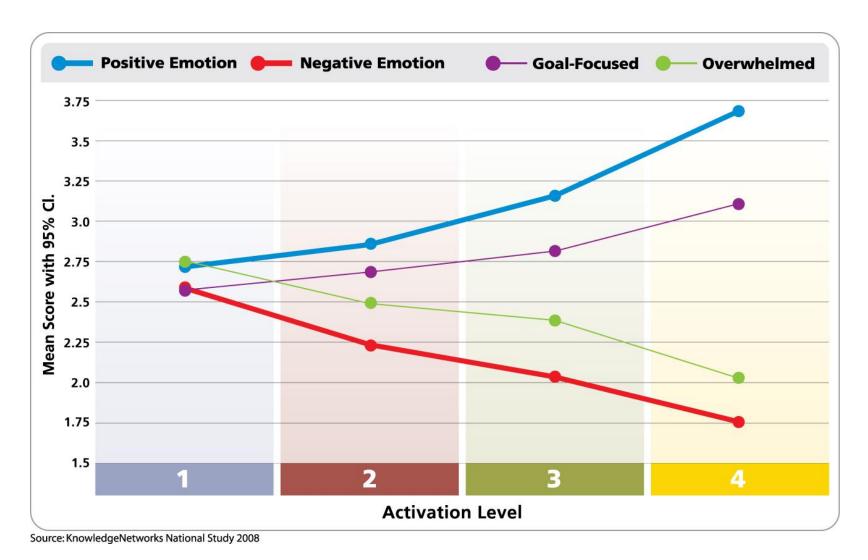
Maintaining behaviors

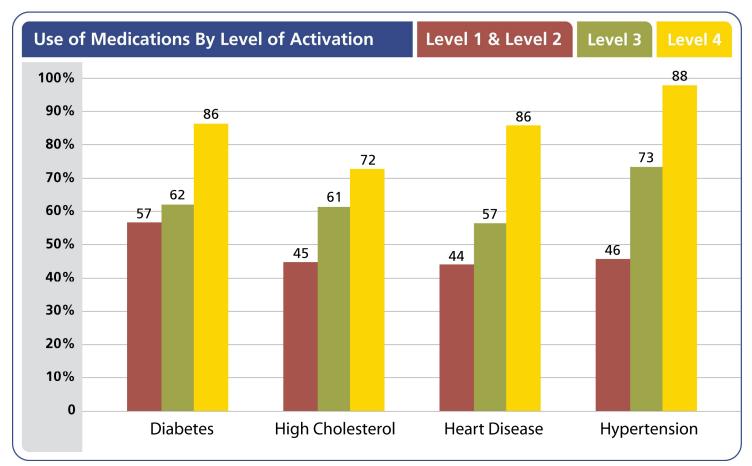
Patients have adopted new behaviors but may not be able to maintain them in the face of stress or health crises.

Increasing Level of Activation

Source: J.Hibbard, University of Oregon

Emotion plays a profound role in patient activation





National Study 2004

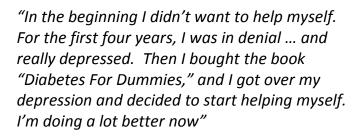
In their own words, Diabetes patients demonstrate the pivotal differences between activation levels



"I don't remember (medications). My memory isn't so good. I have a home health care provider help me"

"I don't understand the cause. I just know I was told I have diabetes"

"I'm under a lot of stress because my husband has cancer, but I try to do the things I'm supposed to do. I have to be here to take care of my husband"



"I write down my concerns. I also have goals for myself – like losing weight. I write down how I'm doing with my goals. I've lost 20 pounds!" "They say I should test my sugar every day. I don't do this because I can't stand to prick myself"

"I try to stay away from sweets ... sometimes I win, sometimes I lose"

"I know I'm supposed to (tell a doctor concerns) but sometimes I don't. I try to cut down on my time at the doctor"



"My doctor can only do so much. I have to manage my health"

"I have to be my own advocate when it comes to my health"

"I feel it has to be a team effort between the doctor and the patient and the patient needs to be proactive in it"

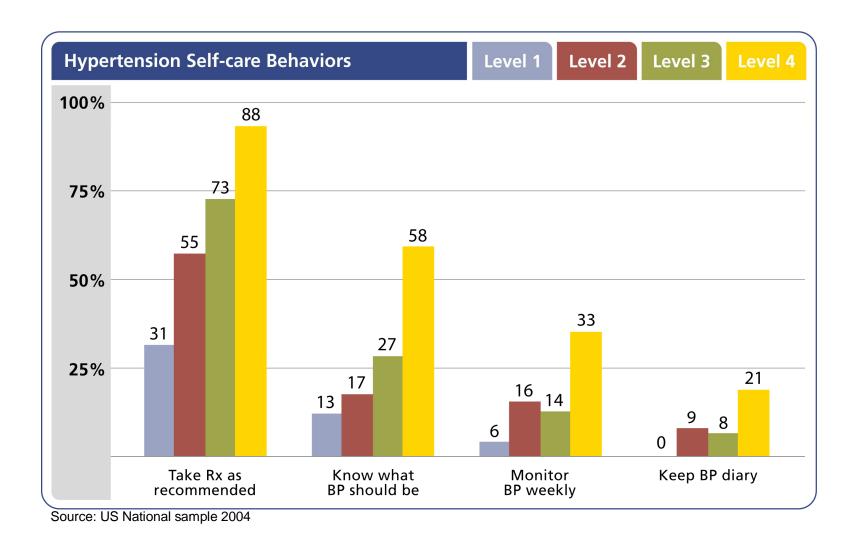


Activation Level is Predictive of Behaviors

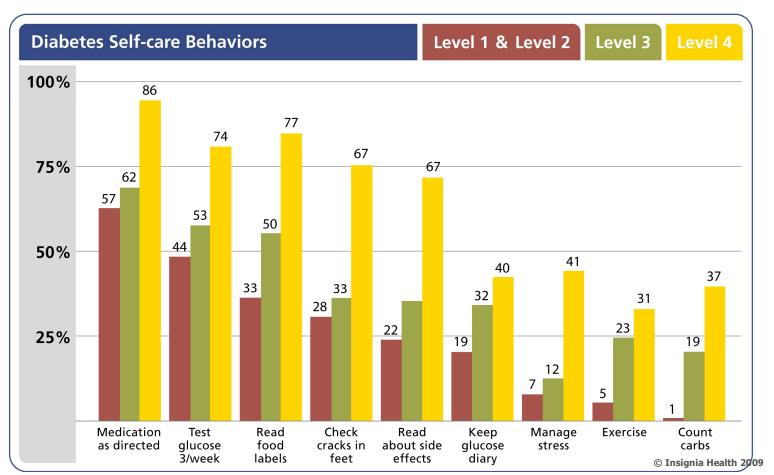
Research consistently finds that those who are more activated are:

- . Engaged in more <u>preventive behaviors</u>
- . Engaged in more <u>healthy behaviors</u>
- . Engaged in more <u>disease specific self-</u> <u>management behaviors</u>
- . Engaged in more health <u>information seeking</u> behaviors

Level of activation is linked with each behavior

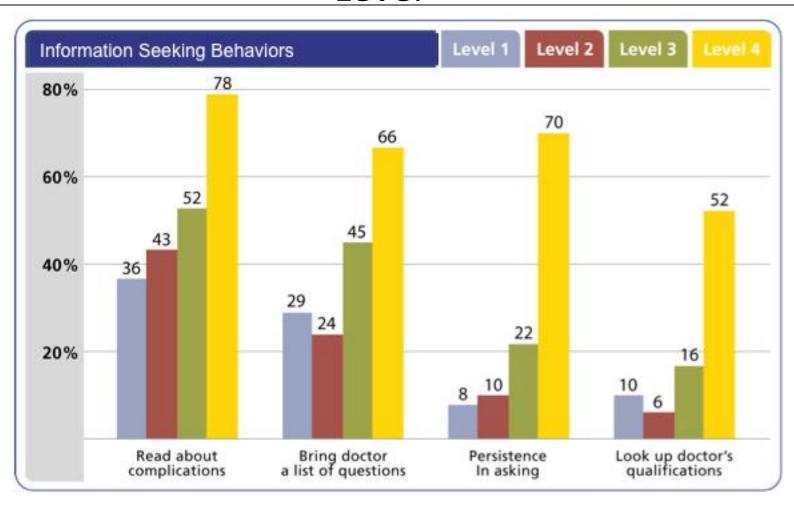


Behaviors by Level of Activation Among Diabetes Patients



RWJ PeaceHealth Study 2006

Behaviors in Medical Encounter by Activation Level



Insights

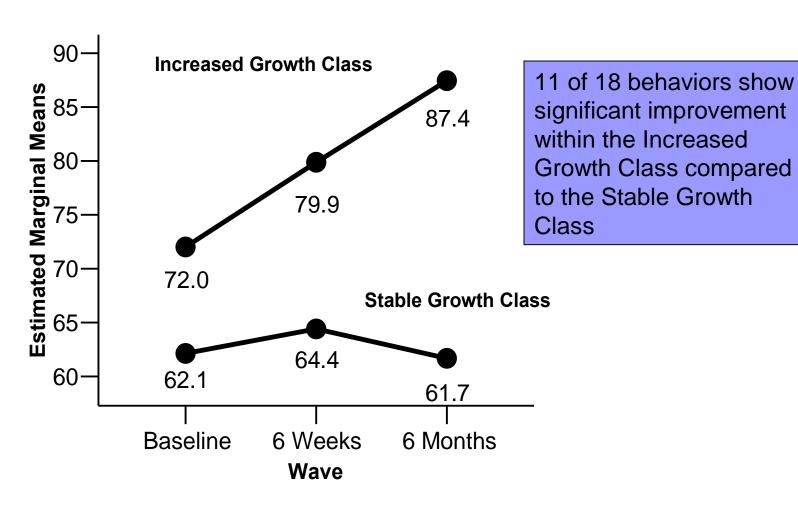
Use activation level to determine what are realistic "next steps" for individuals to take

Many of the behaviors we are asking of people are only done by those in highest level of activation

When we focus on the more complex and difficult behaviors— we discourage the least activated

Start with behaviors more feasible for patients to take on, increases individual's opportunity to experience success

When activation changes several behaviors change



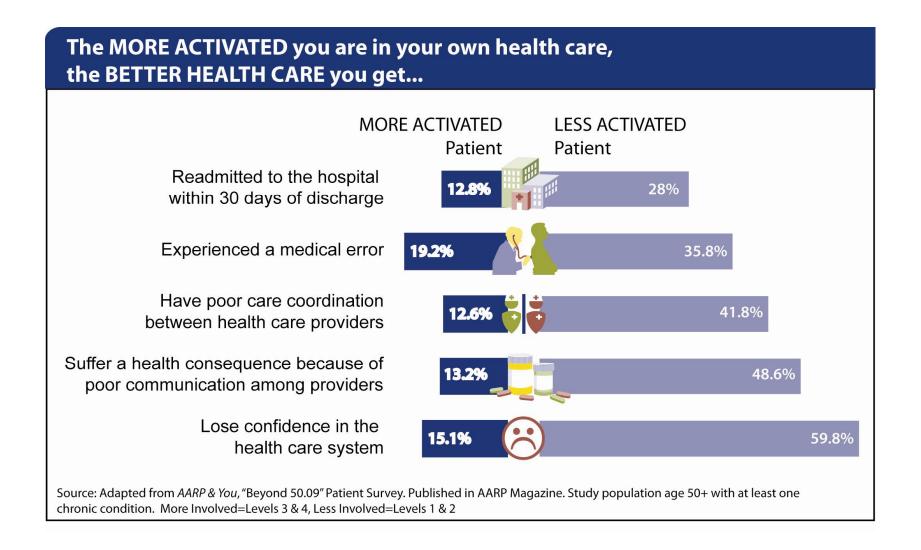
Activation can predict utilization and health outcomes two years into the future for diabetics

	% change for a 1 point change in PAM Score	10 Point Gain in PAM Score 54 (L2) vs. 64(L3)	P
Hospitalization	1.7% decline	17% decreased likelihood of hospitalization	.03
Good A1c control (HgA1c < 8%)	1.8% gain	18% greater likelihood of good glycemic control	.01
A1c testing	3.4% gain	34% greater	.01
LDL-c testing		likelihood of testing	

Carol Remmers. *The Relationship Between the Patient Activation Measure, Future Health Outcomes, and Health Care Utilization Among Patients with Diabetes.* Kaiser Care Management Institute, PhD Dissertation.

Multivariate analysis which controlled for age group, gender, race, comorbidities and number of diabetes-related prescriptions.

Low activation signals problems (and opportunities)



Using the PAM to Improve Care

Evaluations

Improve efficiencies

Improve efficacy

Population based approaches

Individual tailored approaches

Tailoring Support to Activation Levels

Level 1

Develop Basic Knowledge, Self-Awareness, & Confidence

Individual becomes self-aware of own behaviors and symptoms. Focus coaching on the relationship between symptoms and behaviors, building self-confidence and awareness. The individual should choose the area(s) they want to work on.

Level 2

Increase in Knowledge, Initial Skills Development

Individual develops the knowledge, skills and confidence needed to master new self-management competencies. Coaching should focus on helping the individual learn to monitor symptoms, behaviors and adverse triggers - and adjust accordingly. Focus on taking small steps.

Level 3

Initiate New Behaviors

Individuals initiate new health promoting behavior(s) and work to further refine techniques to monitor and adjust. Coaching should focus on providing encouragement, noticing successes, and problem solving.

Level 4

Maintaining Behaviors & Techniques to Prevent Relapse

Individual strives to maintain desired health-related behaviors over time and learn to anticipate difficult situations that will arise. Coaching should focus on the issues that make it hard to stick to correct behaviors and to help the individual trouble-shoot.

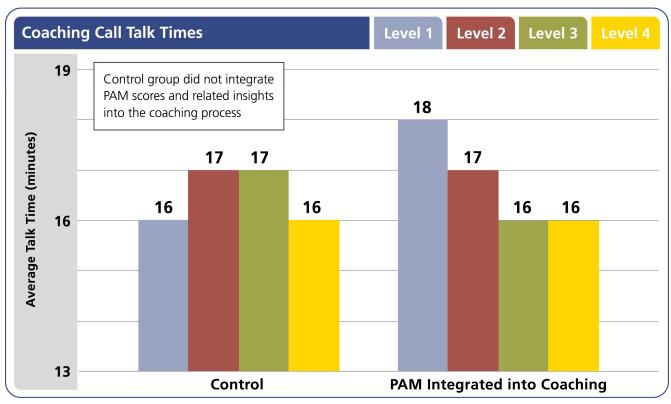
Tailored Coaching Study

Intervention group coached based on level of activation. Control group was "usual care" coaching (DM company)

Examined changes in claims data, clinical indicators, and activation levels

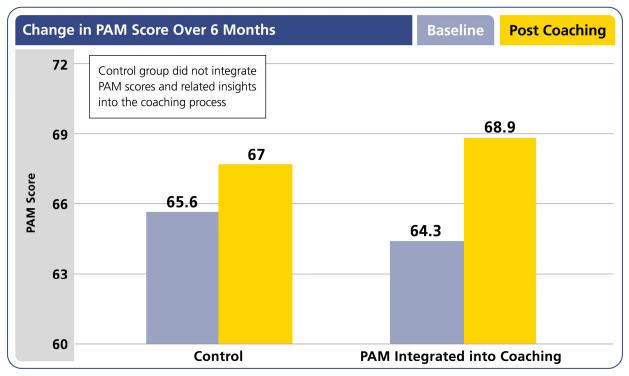
6 month Intervention period.

Coaches allocated more talk time to lower activation participants when they had access to PAM scores



Source: National DM Firm. N=1030 intervention; N=501 in control group. Difference between the two groups is significant at the .05 level

PAM tailored coaching resulted in a statistically significant greater gains in activation



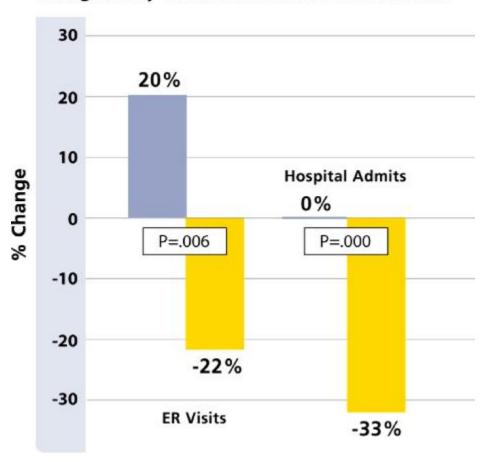
N.=245 in intervention group; N=112 in control group. Only those with 3 PAM scores are included. Repeated measures shows that the gains in activation are significant in the intervention group and not significant for the control group (P<.001)

Adherence to Recommended Treatments PAM-tailored Intervention vs. Usual Coaching Control

	Mean Value, %		Significance of interaction of the	
Treatment	Preintervention Period 2006	Postintervention Period 2007	Intersection and Repeated Measure	
Influenza vaccine (all chronic conditions)				
Control (n = 2494)	57.2	61.6	F = 25.82, P = .000	
Intervention (n = 3483)	53.1	64.6		
ASA antiplatelet therapy (CAD)				
Control (n = 1329)	83.5	84.1	F = 42.48, P = .000	
Intervention (n = 1774)	83.2	89.8		
ASA antiplatelet therapy (diabetes)				
Control (n = 2165)	69.5	59.1	F = 67.99, P = .000	
Intervention (n = 3022)	70.7	71.3		
Antilipidemic therapy (CAD)				
Control (n = 2165)	72.6	73.5	F = 22.96, P = .000	
Intervention (n = 3022)	70.2	75.6		
Beta-blocker (CAD/CHF)				
Control (n = 1294)	79.5	79.7	F = 11.57, P = .000	
Intervention (n = 1508)	76.4	79.0		
ACEI/ARB (CHF)				
Control (n = 1177)	80.1	79.3	F = 3.90, P = .048	
Intervention (n = 692)	79.1	79.9		

Tailored coaching can improve adherence and reduce unwarranted utilization

Change in Key Utilization Metrics Over 6 Months



Hibbard, J, Green, J, Tusler, M. Improving the Outcomes of Disease Management by Tailoring Care to the Patient's Level of Activation. The American Journal of Managed Care, V.15, 6. June 2009

Clinical Indicators*

Medications: intervention group increased adherence to recommended immunizations and drug regimens to a greater degree than the control group. This included getting influenza vaccine.

Blood Pressure: Intervention group had a significantly greater drop in diastolic as compared to control group.

LDL: Intervention group had a significantly greater reduction in LDL, as compared to the control group.

A1c: Both intervention and control showed improvements in A1c.

*Using repeated measures, and controlling for baseline measures

Tailoring had a positive impact on all patient outcomes

- Findings consistent across all outcome measures
- " Results are compared to usual coaching
- "Valuable Implementation lessons learned along the way

Greater Activation is Related to Better Outcomes (in multivariate analysis)

.00 .02*** .01**		Clinical Indicators in Normal Range		
.04*** .02***		Systolic Diastolic HDL Triglycerides A1C	.01** .00 .02*** .01*** .01*	
	je, income	e, gender, and	number of chronic	С
	.02*** .01** .04*** .02*** .02***	.02*** .01** .04*** .02*** .02*** .00*** .01*** olling for age, income	.00 .02*** .01** Systolic Diastolic .04*** .02*** HDL Triglycerides A1C .00*** .01*** olling for age, income, gender, and	.00 .02*** .01** Systolic .01** Diastolic .00 .04*** .02*** HDL .02*** Triglycerides .01*** A1C .01* .00*** .01*** olling for age, income, gender, and number of chronic

Chronic Illness Patients Need both Clinical and Behavioral Interventions

- Providers are going to start being paid on outcomes—
 - . Total costs
 - . Clinical outcomes
 - . Patient Experience
 - . Panel size
- Will they tap into the resource that patients represent?

Applications

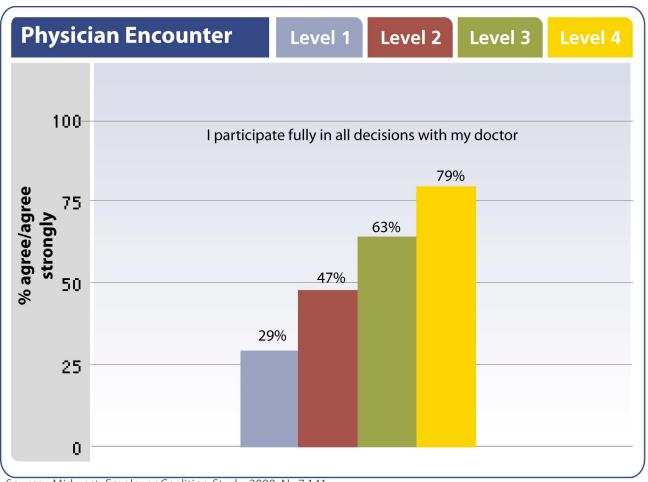
Brief interventions in the clinical setting— with follow-up

Team approach— and differential allocation of resources

Care transitions and reducing hospital re-admissions

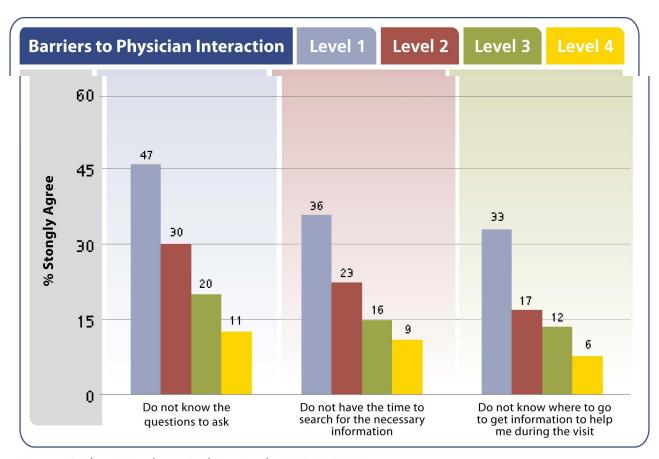
Wellness, disease management

Activation and the medical encounter: "I participate Fully in All Decisions with My Doctor



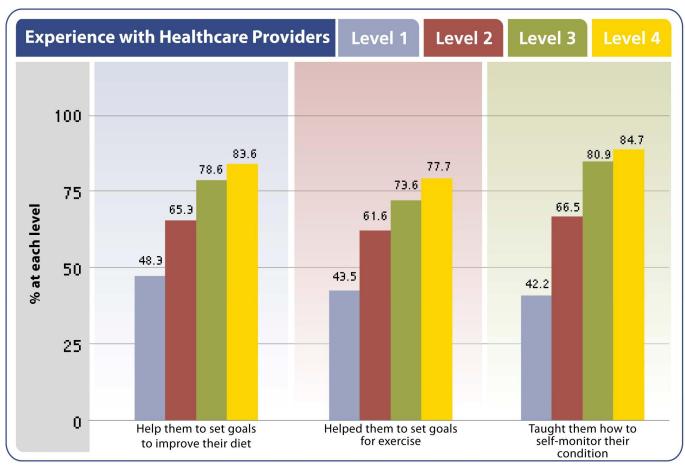
Source: Midwest Employer Coalition Study, 2008. N=7,141

Lower activated patients are less prepared for a successful interaction



Source: Midwest Employer Coalition Study, 2008. N=7,141

Patients who get more support from their Doctors are more activated.



Source: Center For Studying Health System Change 2007 Household Tracking Study Differences between level 4 and other levels significant at p<.05

Effective Programs

- " Means meeting people where they are
- "Providing behavioral support that meets the individual's needs
- Measurement is key to making progress in this area